



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.:

10/731,596

Filed:

December 9, 2003

Inventor(s):

Bijan Sayyarrodsari, Eric Hartman, Celso Axelrud, and Kadir Liano

Title:

SYSTEM AND METHOD OF

APPLYING ADAPTIVE CONTROL TO THE

CONTROL OF PARTICLE **ACCELERATORS WITH VARYING DYNAMICS**

BEHAVIORAL

CHARACTERISTICS USING A NONLINEAR MODEL PREDICTIVE CONTROL

TECHNOLOGY

Examiner:

Unknown

Group/Art Unit: 2879

Atty. Dkt. No:

5650-03600

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Alexandria, VA 22313-1450, on the date indicated below.

Jeffrey C. Hood

SUBMISSION OF REPLACEMENT DRAWINGS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir/Madam:

Applicant hereby submits replacement drawings in the above-referenced application and requests that these drawings (Figures 1A-12 on 9 sheets) be accepted for filing.

Respectfully submitted,

Jeffrey C. Hood Reg. No. 35,198

ATTORNEY FOR APPLICANTS .

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Date: 3/14/2005